

ABSTRACT

A medical device and position sensor combination
5 for use in medical applications comprises a position
sensor having a core made of a high permeable material .

The core material is made of a Wiegand effect material
comprising a mixture of cobalt, vanadium, and iron. The
position sensor has an outer diameter of approximately
0.4 mm and is used in a medical device having an outer
diameter of approximately 0.67 mm.

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